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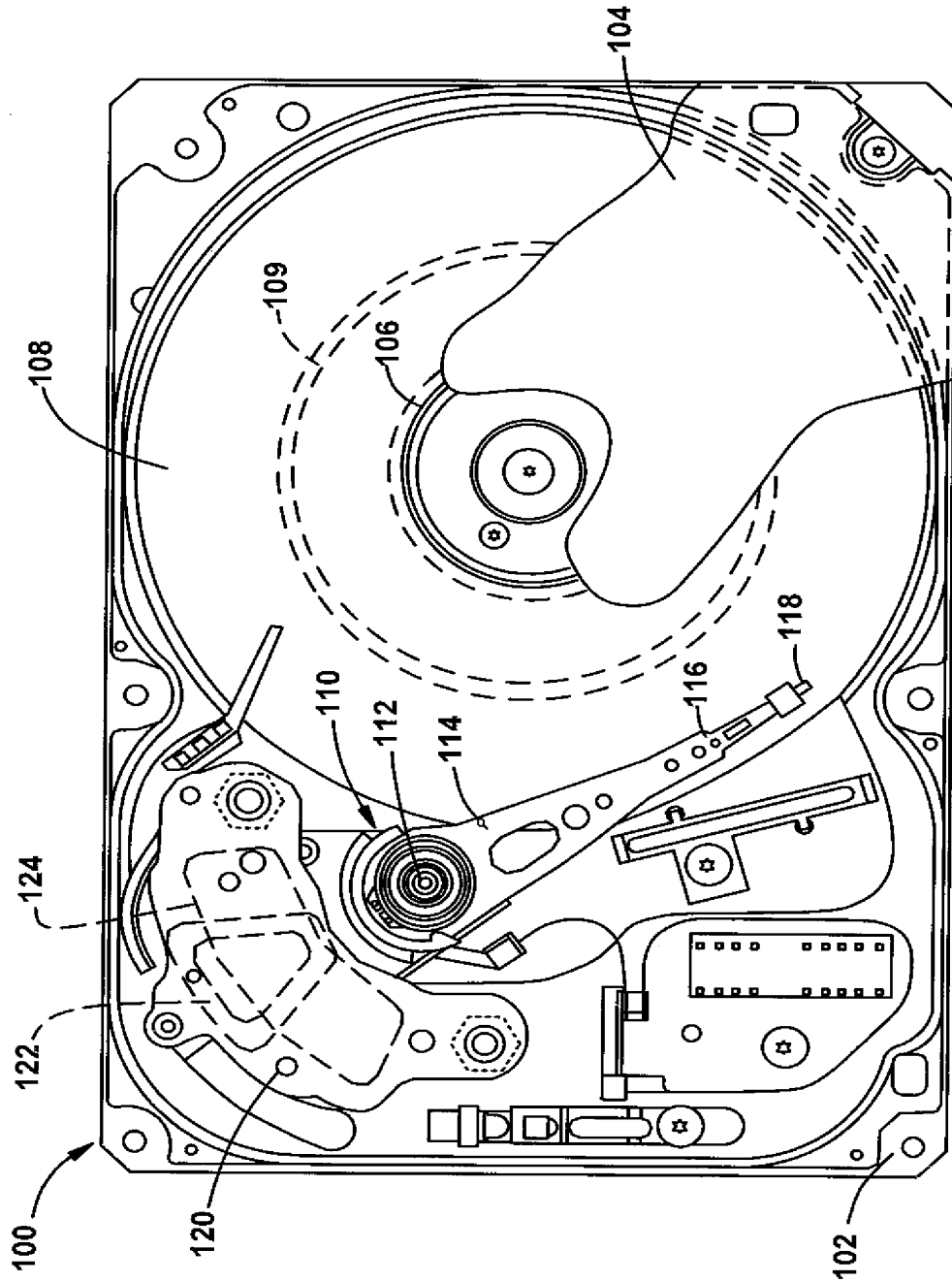


FIG. 1

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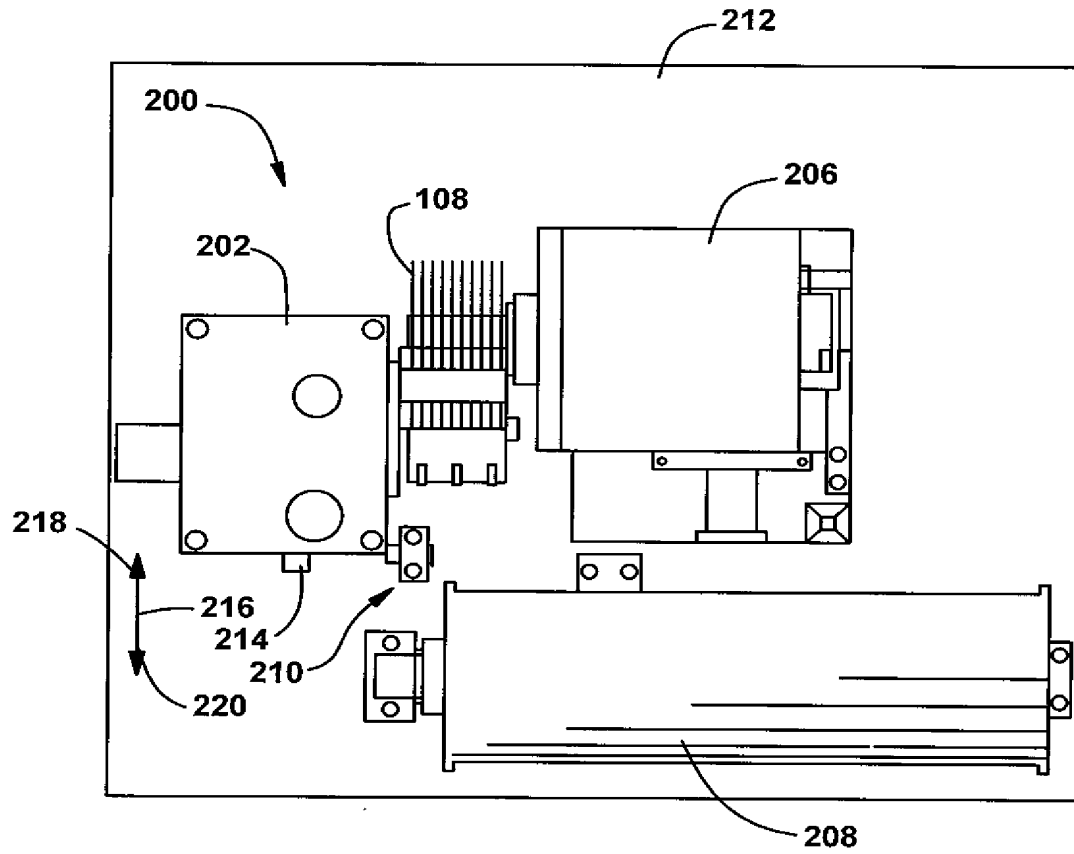


FIG. 2

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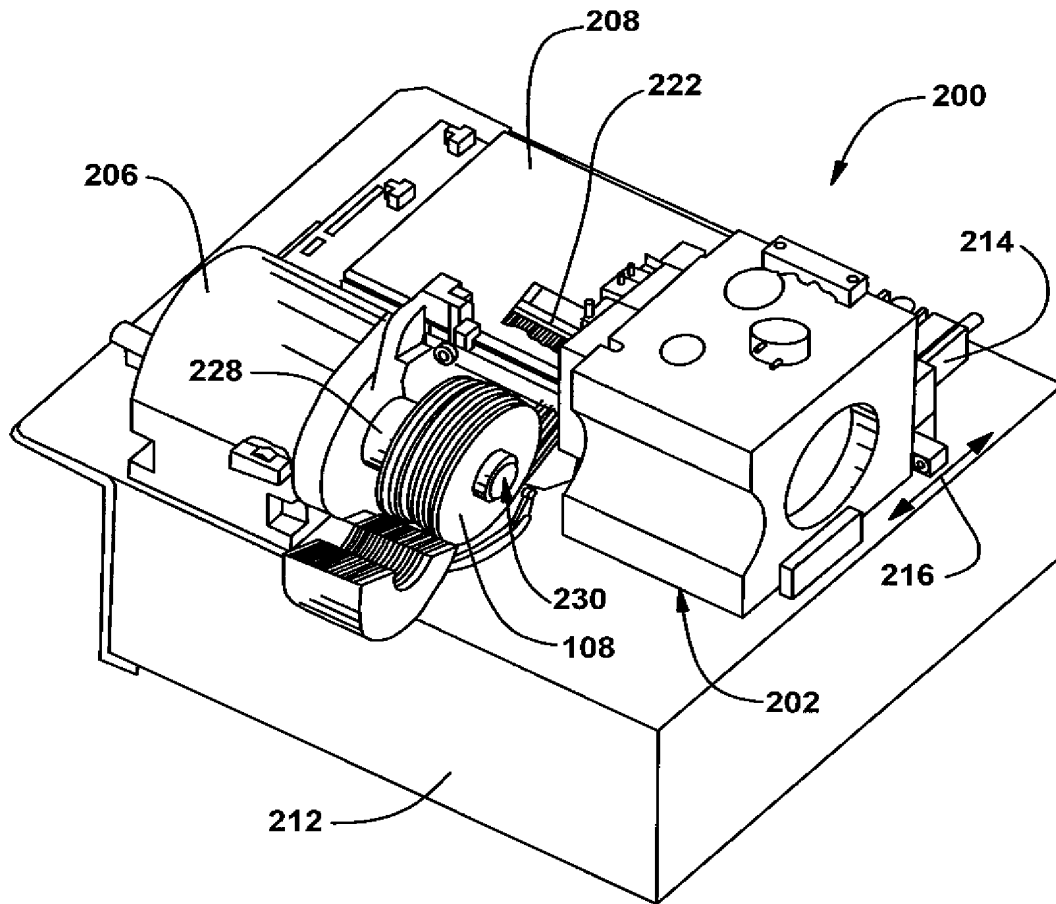
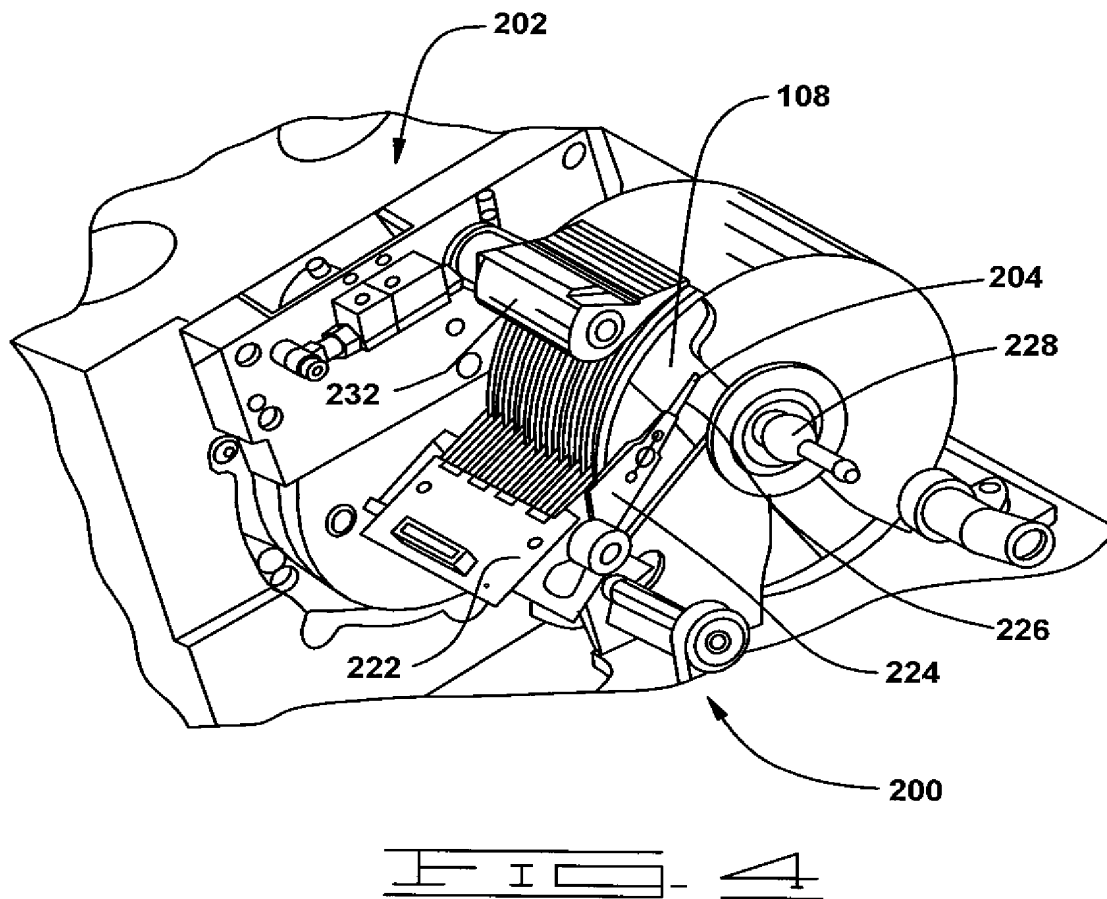
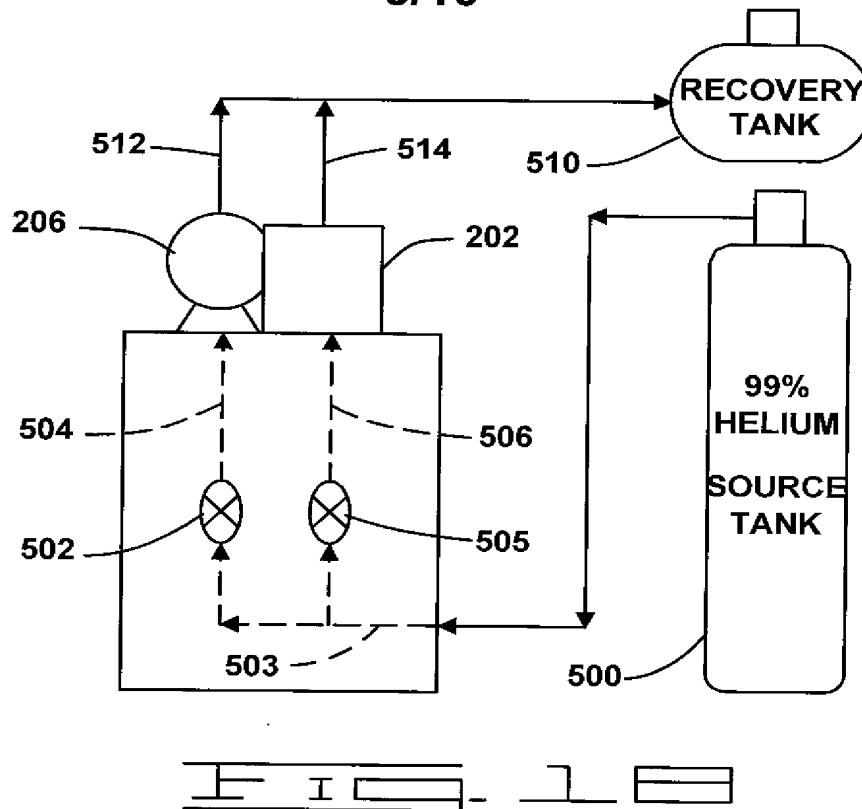


FIG. 3

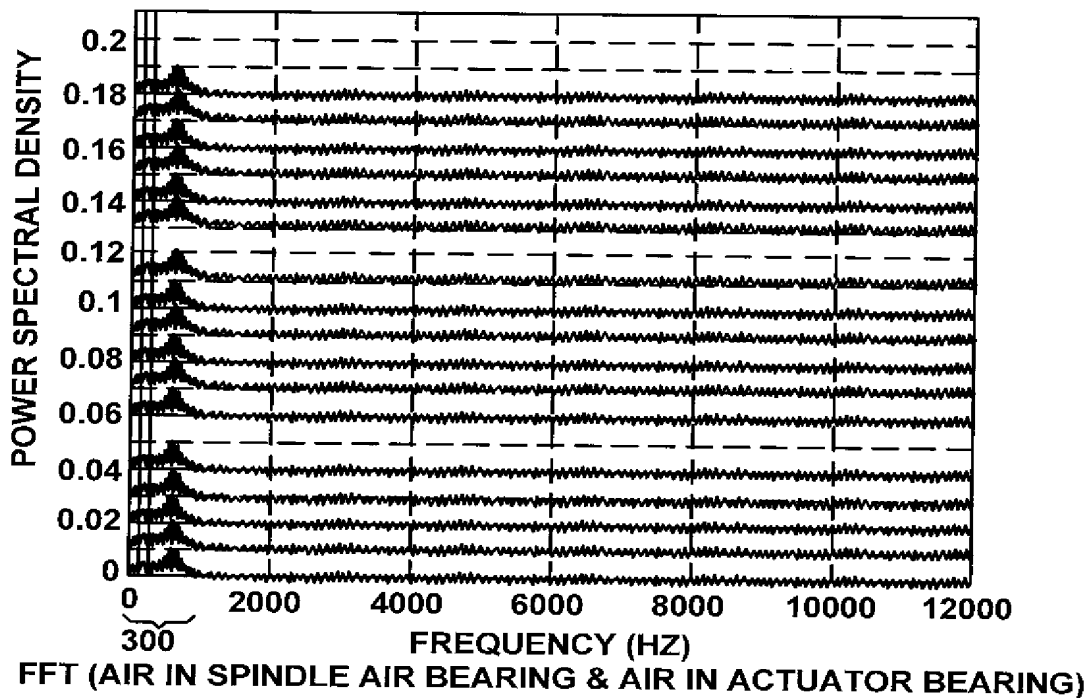
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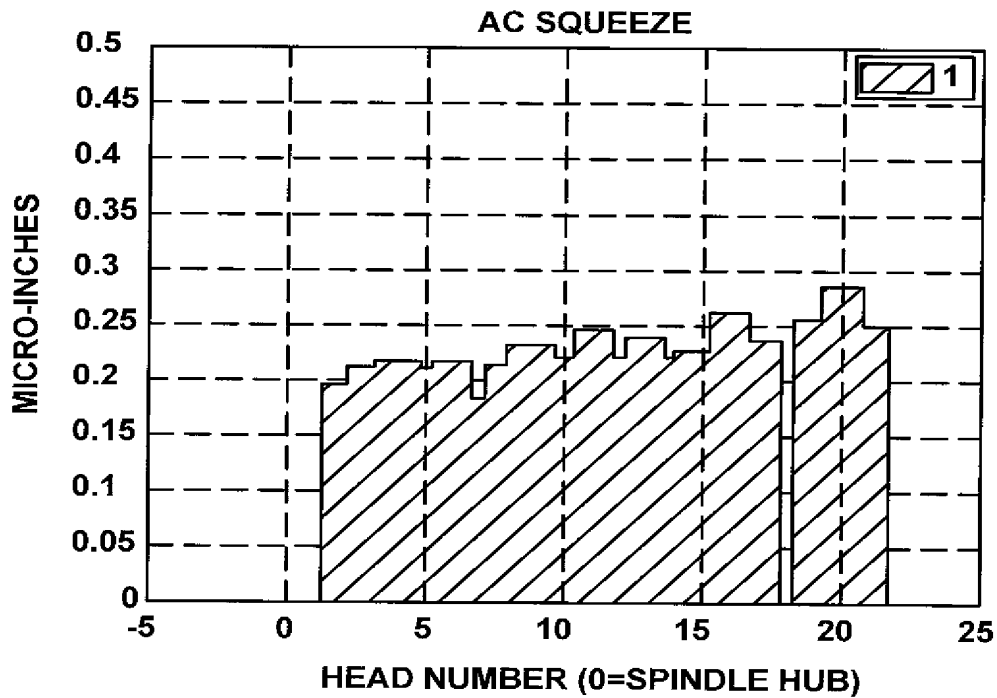


PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS
 2 3 4 5 6 7 8 9 10 11 12 13 14 15

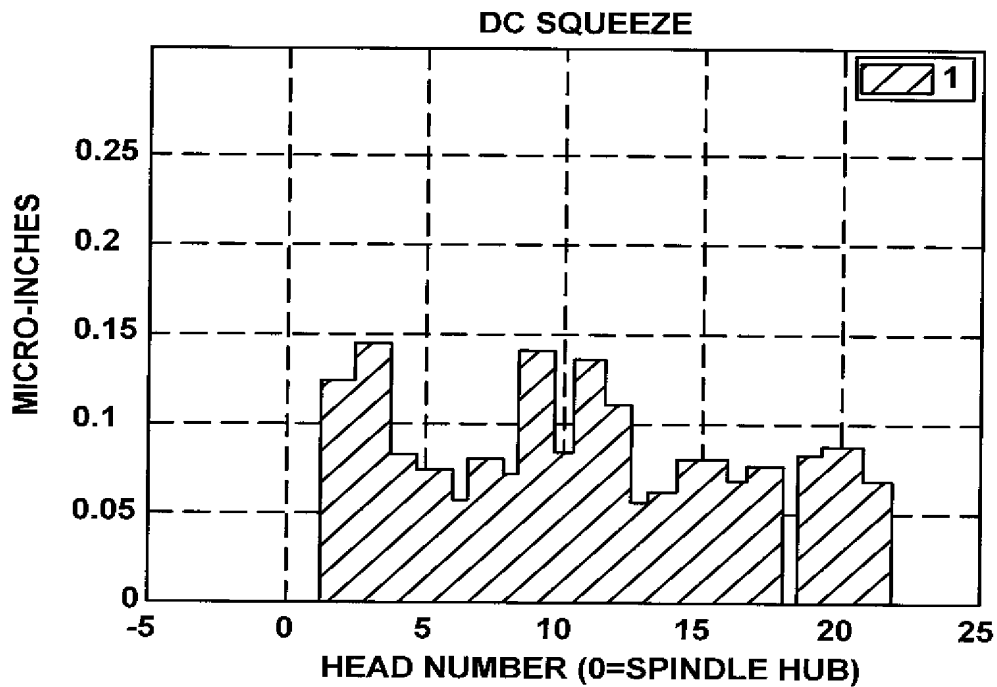
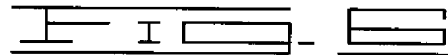


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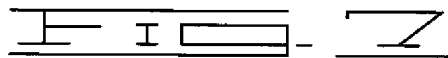
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AIR SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



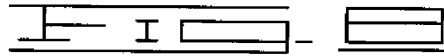
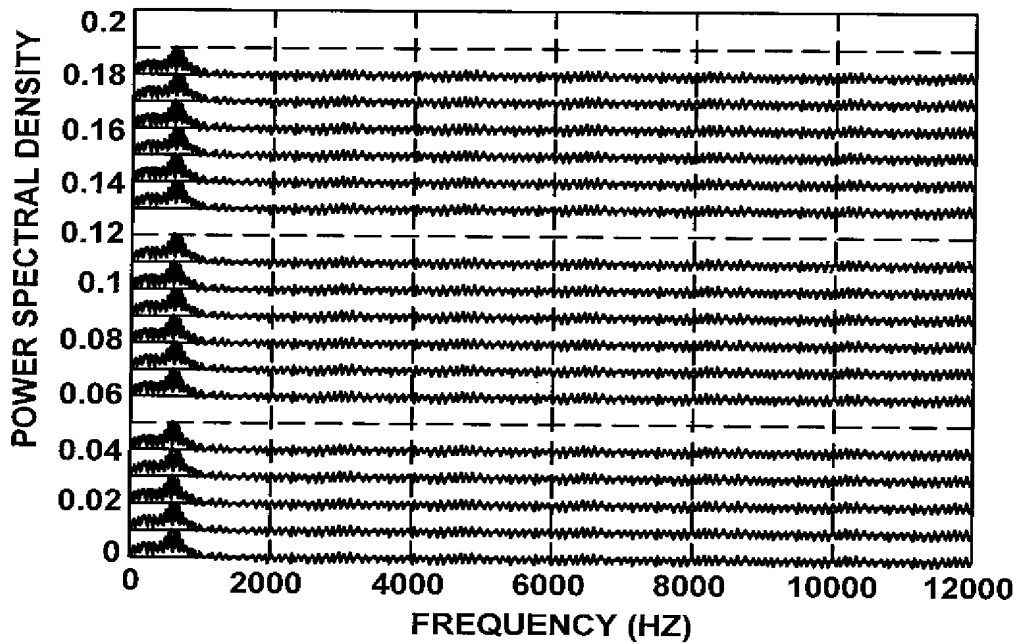
DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



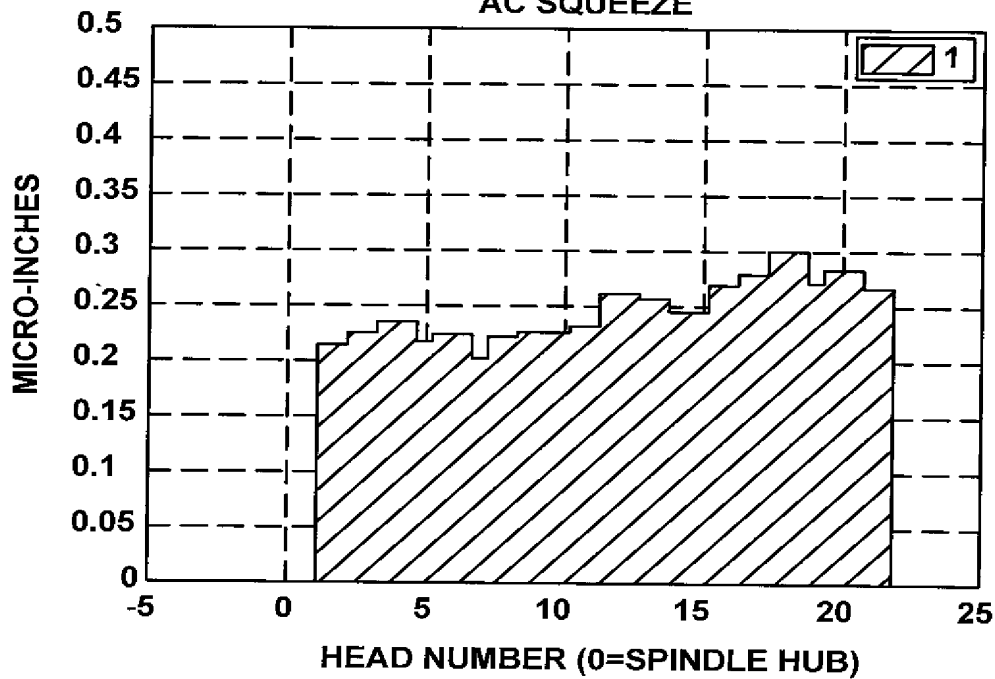
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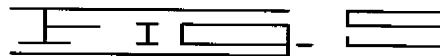
PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS
 2 3 4 5 6 7 8 9 10 11 12 13 14 15



AC SQUEEZE



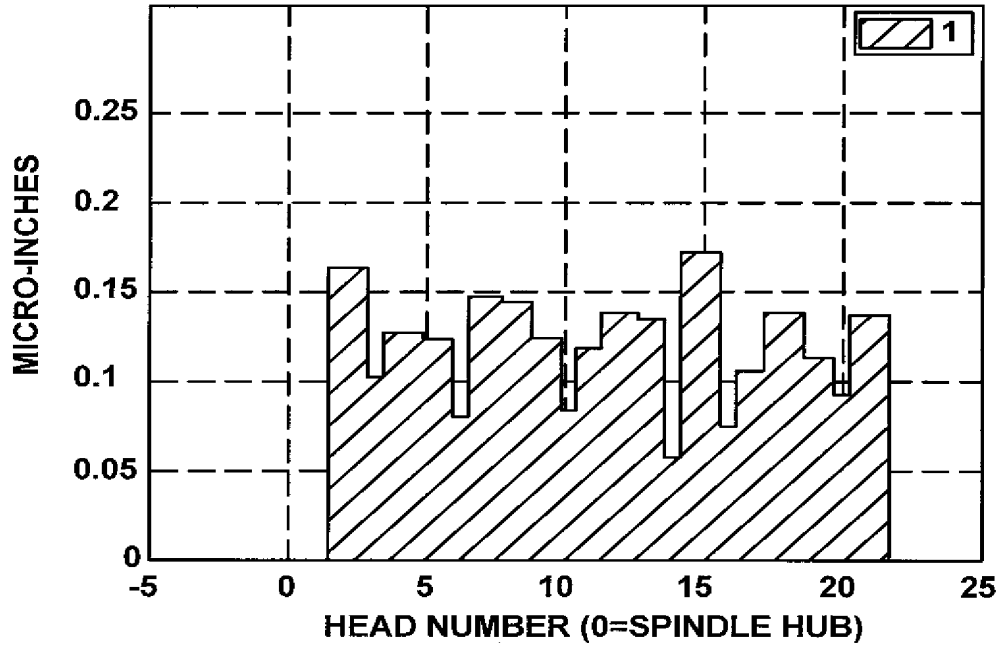
AC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



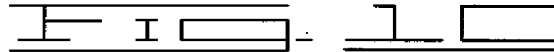
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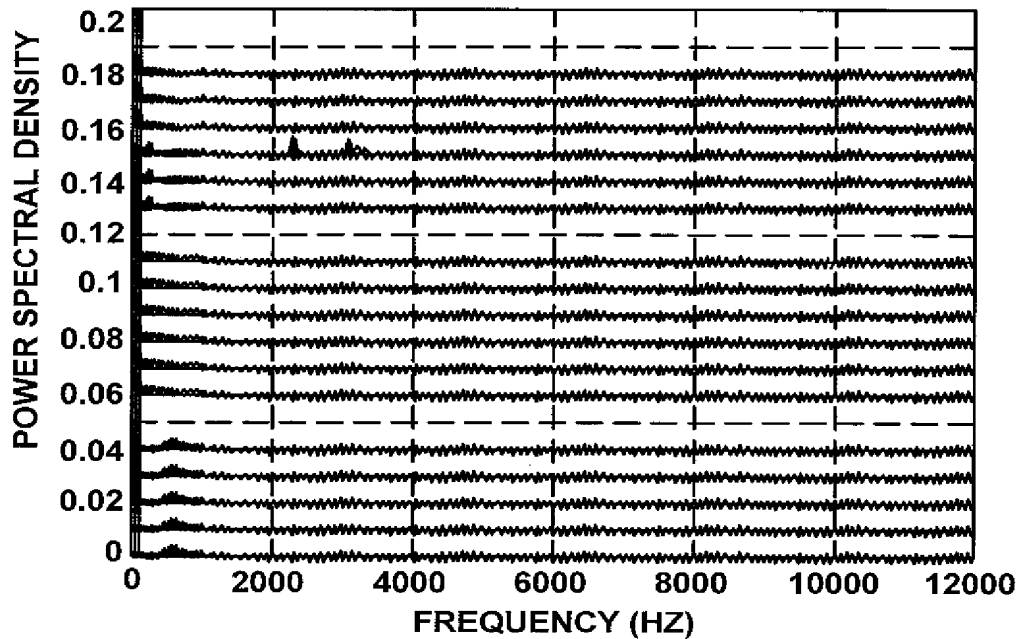
DC SQUEEZE



DC SQUEEZE (AIR IN SPINDLE AIR BEARING & AIR IN ACTUATOR BEARING)



PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS
2 3 4 5 6 7 8 9 10 11 12 13 14 15

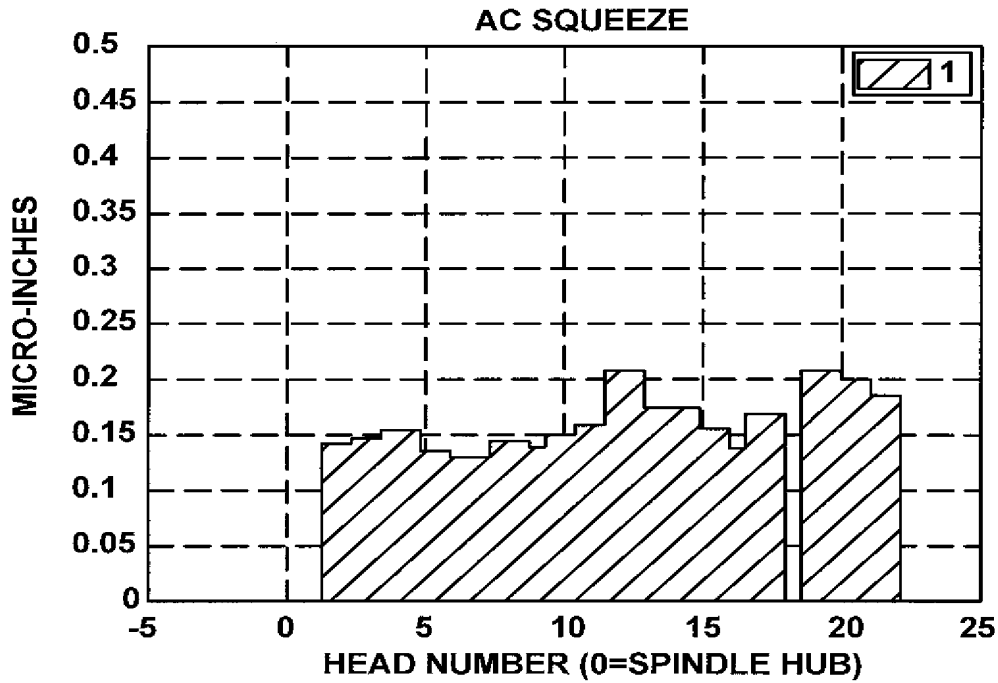


FFT (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

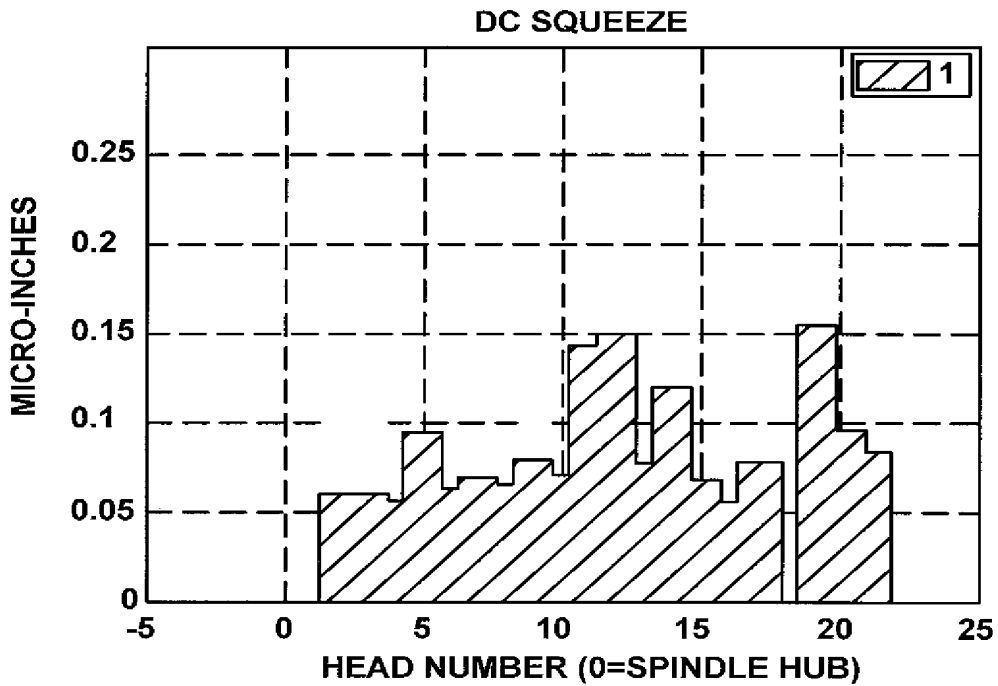
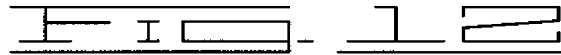


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AC SQUEEZE
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



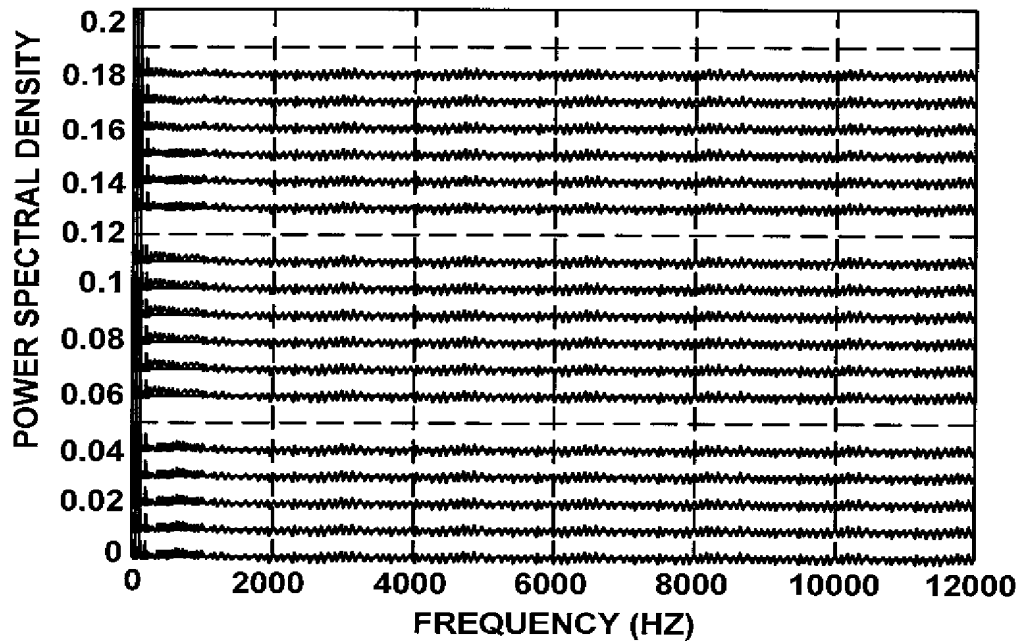
DC SQUEEZE
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



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PASS DATA AT STARTING TRACK OR ZONE # 1 HEADS
2 3 4 5 6 7 8 9 10 11 12 13 14 15

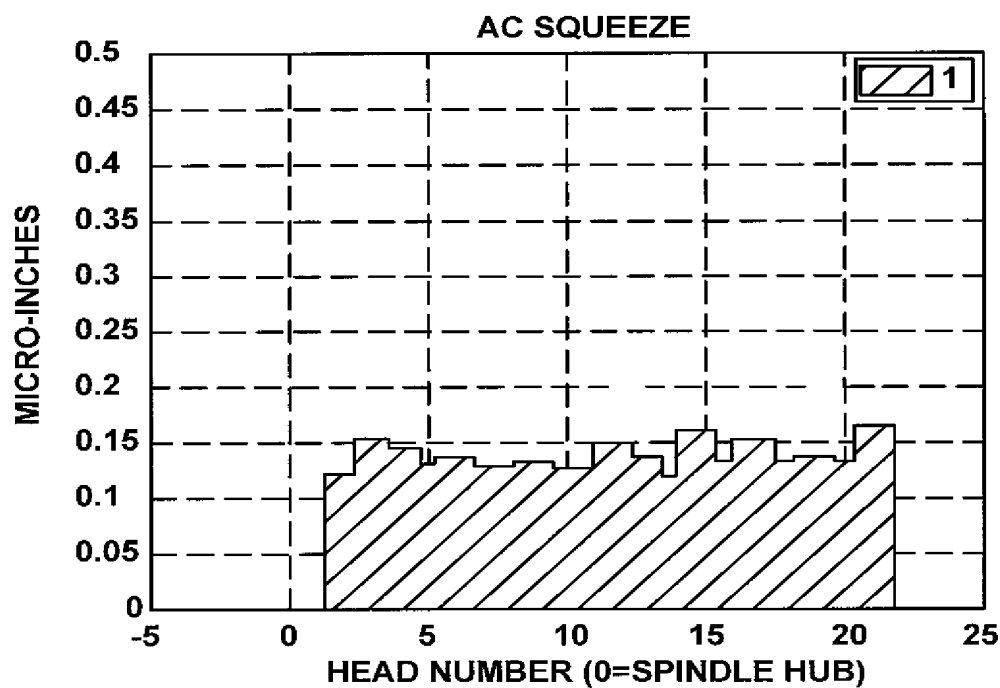


FFT (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)

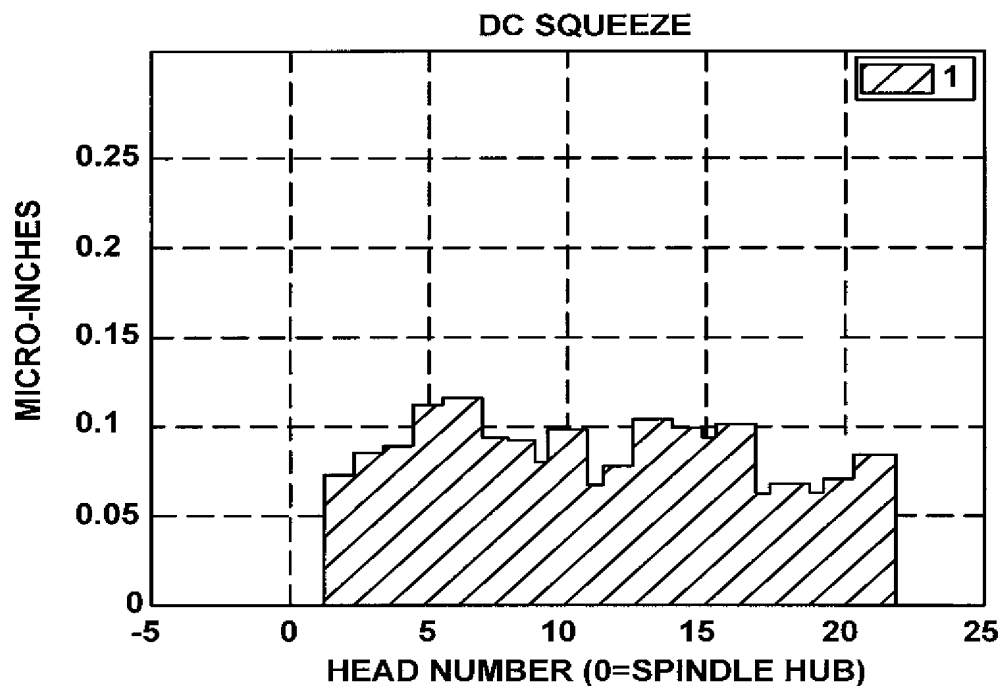
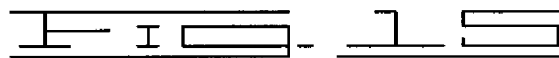


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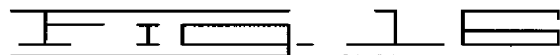
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AC SQUEEZE
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



DC SQUEEZE
 (HELIUM IN SPINDLE AIR BEARING & HELIUM IN ACTUATOR BEARING)



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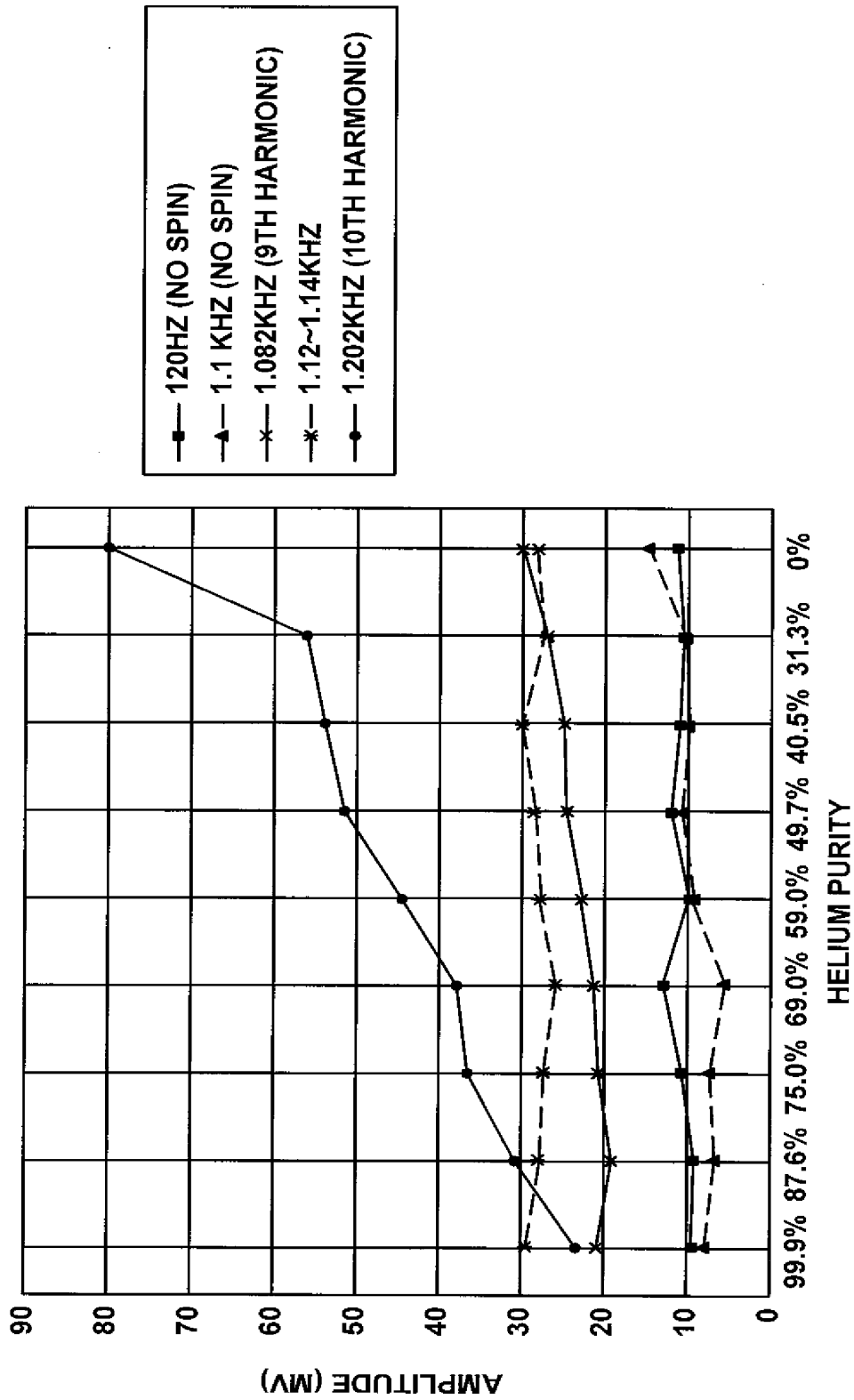
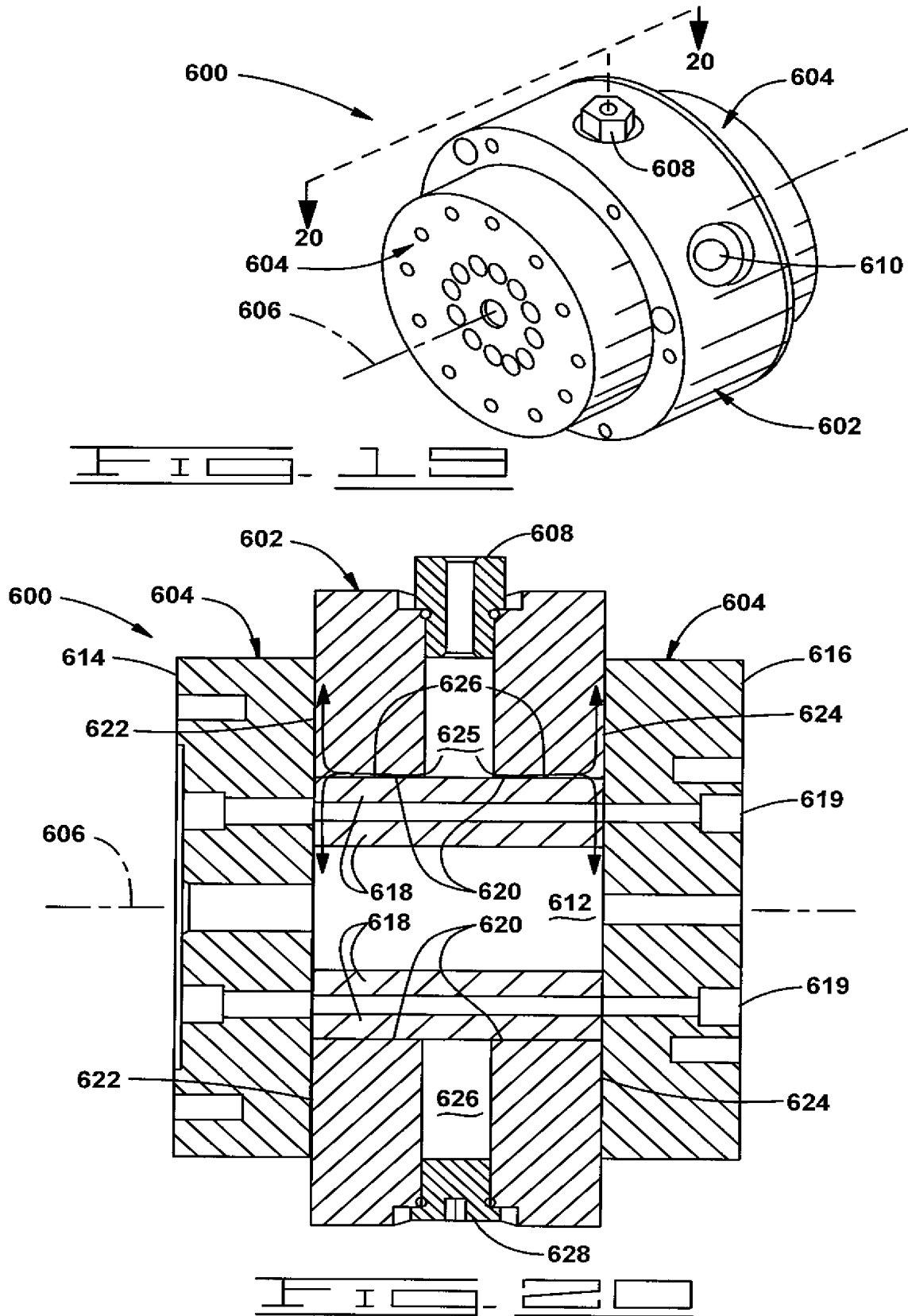


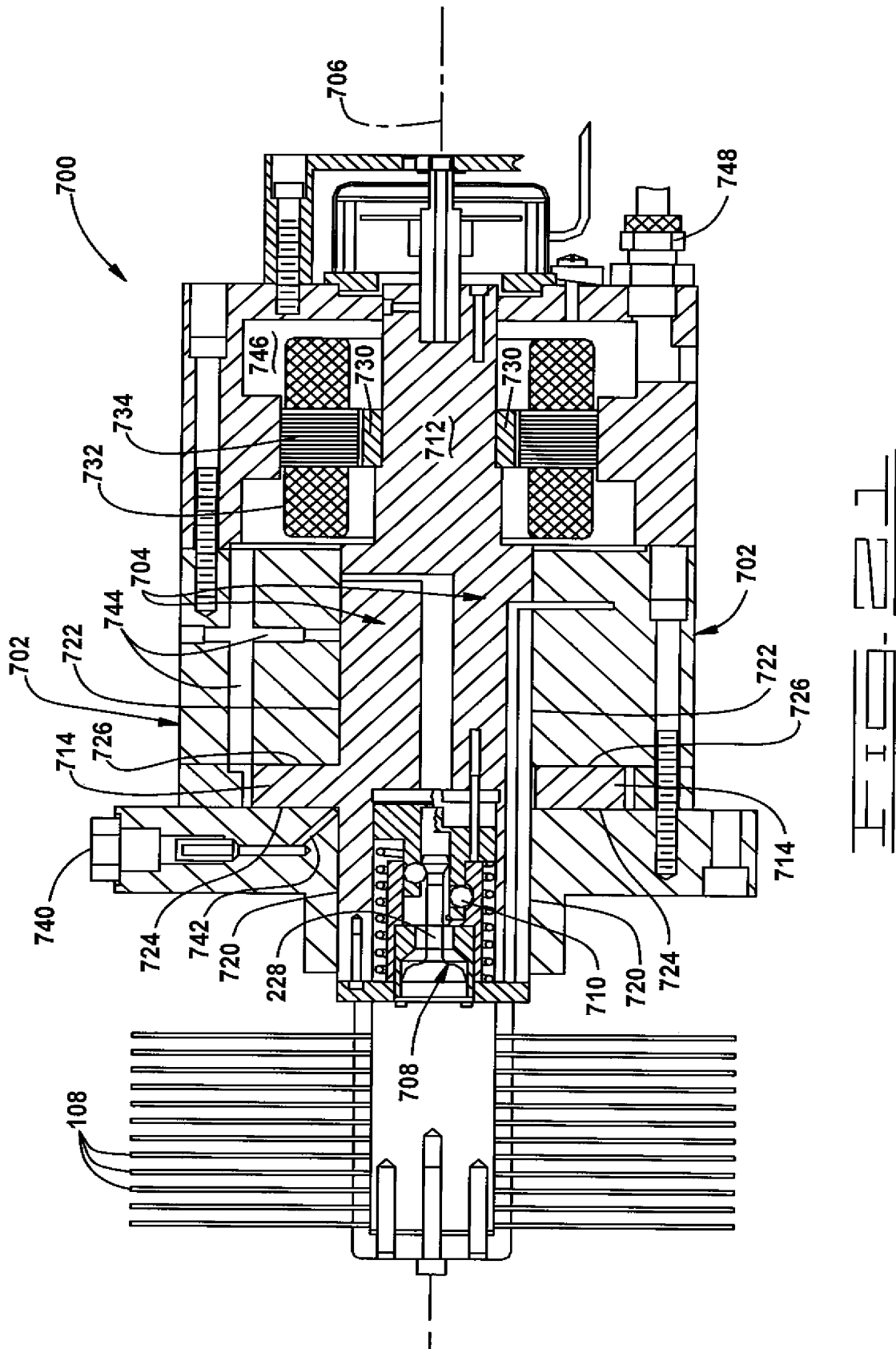
FIG. 17

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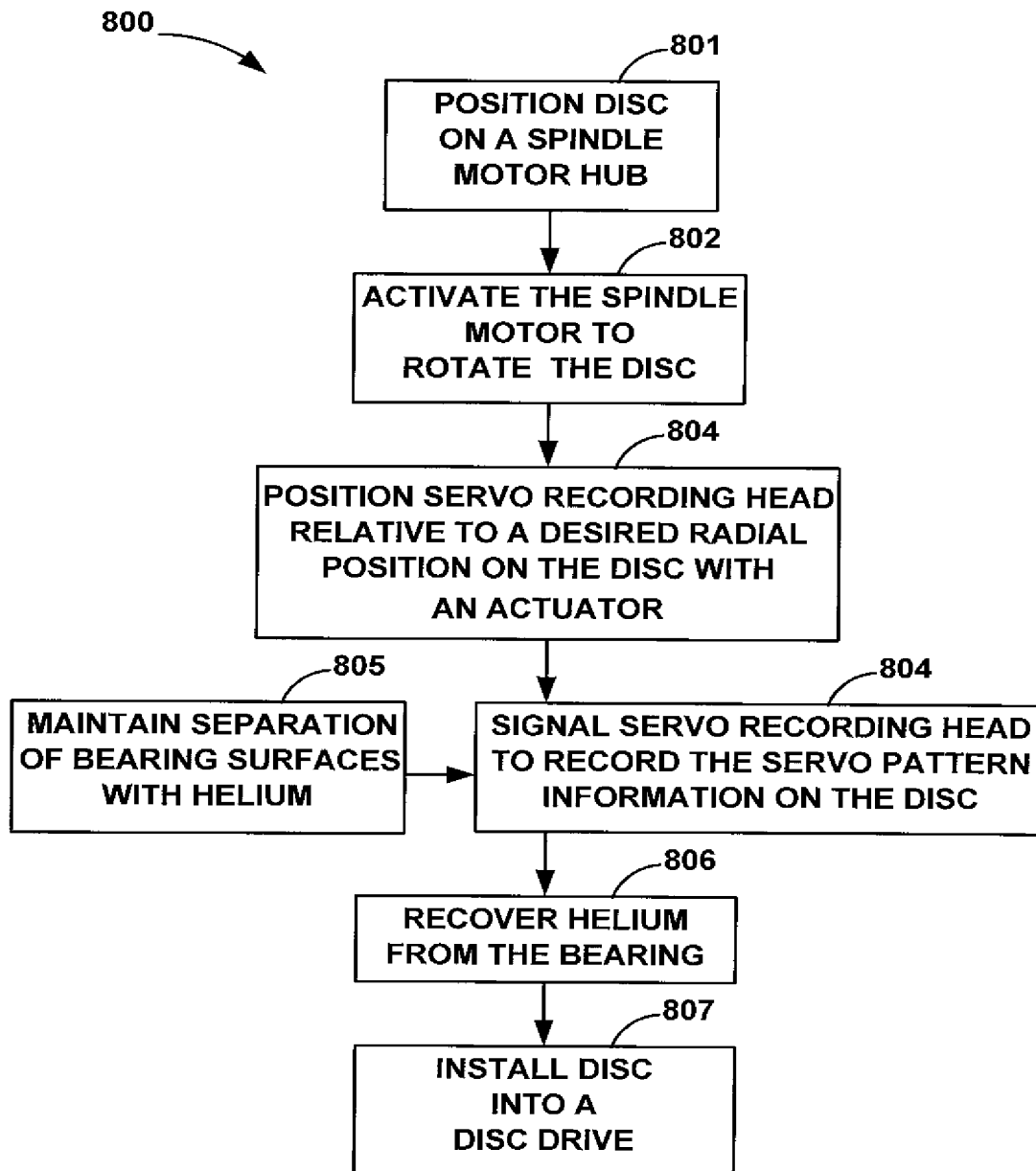


FIG. 22

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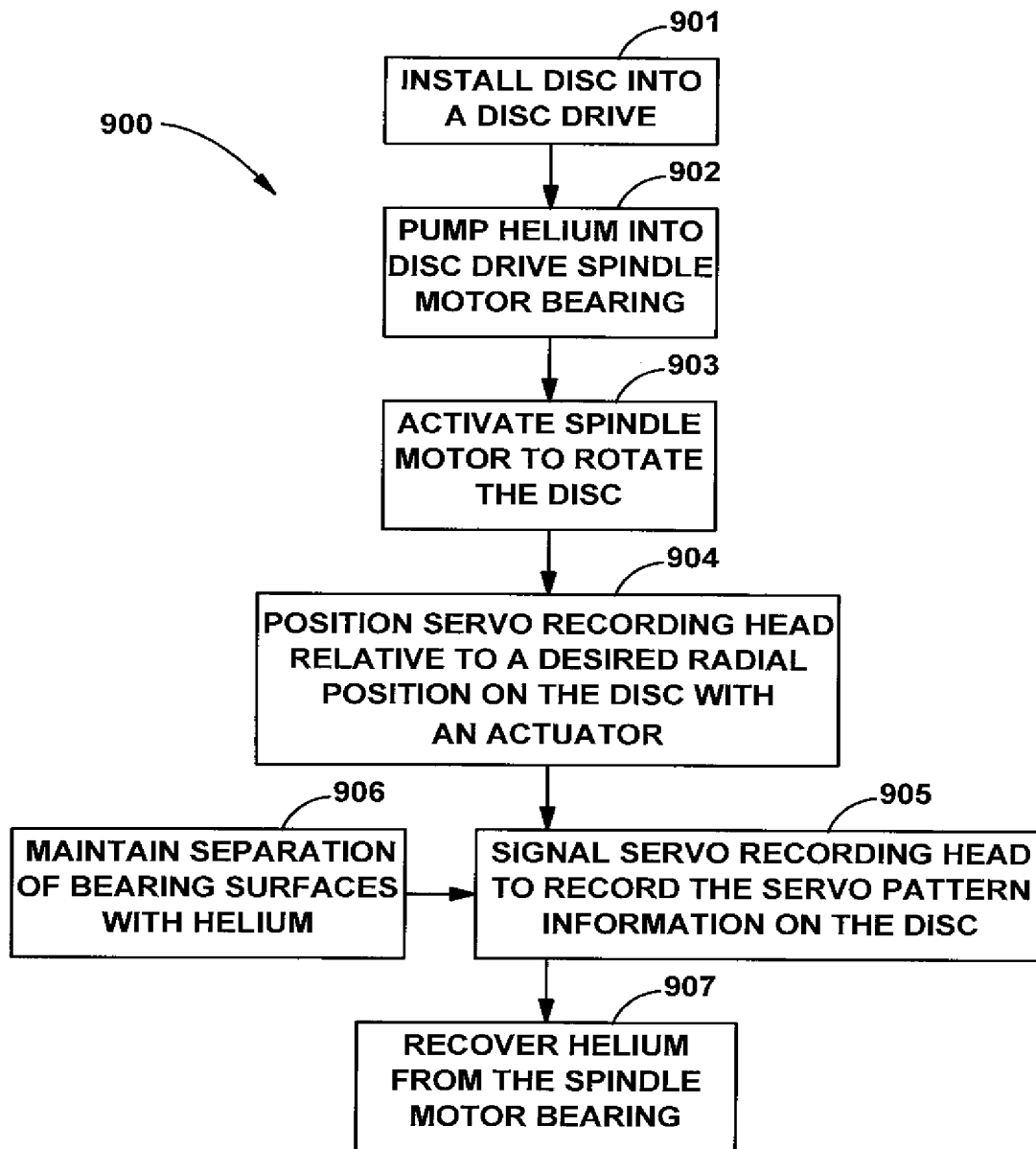


FIG. 23

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